

ABSTRACT OF THE DISCLOSURE

A systemized active matrix display in which a pixel matrix circuit, a driver circuit and a logic circuit are mounted on the same substrate, is formed. A TFT of the present invention has such 5 characteristics as to be able to operate in a wide driving frequency range of 0.05 to 2 GHz, and by designing a channel length and a film thickness of a gate insulating film of the TFT according to characteristics required by circuits, it is possible to form a high frequency driving circuit and a low frequency driving circuit on the same substrate.

100 200 300 400 500 600 700 800 900 1000